

Hamilton, Ohio, Site

FACT SHEET

*This fact sheet provides information about the Hamilton, Ohio, Site.
This site is managed by the U.S. Department of Energy Office of Legacy Management.*

Site Description and History

The Hamilton, Ohio, Site (formerly referred to as the Herring-Hall-Marvin Safe [HHMS] Company) is located at 1550 Grand Boulevard in Hamilton, Ohio. The building, which is roughly rectangular in shape and approximately 300,000 square feet in area, is constructed mostly of concrete with a support structure of columns, beams, and cross braces. Part of the first floor of the building is currently leased by Union Paper Company for the storage of paper products; automobiles are also warehoused there. The third floor is currently vacant.

From the 1940s to the early 1950s, the HHMS Company machined and shaped uranium metal under subcontract to Manhattan Engineer District (MED) contractors E.I. du Pont de Nemours and Company (Dupont) and the University of Chicago. Two work orders were performed, one in 1943 in support of MED activities and the other in 1951 in support of the U.S. Atomic Energy Commission (AEC). Uranium was machined on lathes in a large machine room on the first floor and also on the 9,000-square-foot third floor in the southeastern corner of the building. This MED/AEC work was discontinued in August 1951.

DOE performed radiological surveys on August 29 and 30, 1988, and on April 24, 1989, on the first and second floors where the uranium work was reported to have taken place. Very little uranium was detected, and the surveys verified that all significant radioactive contamination had been removed from those areas during previous decontamination efforts. Consequently, the site was eliminated under the Formerly Utilized Sites Remedial Action Program (FUSRAP). However, in 1993, information obtained after the original survey indicated that uranium machining was also conducted on the third floor. Oak Ridge National Laboratory performed a survey on the third floor, the stairwell, and the elevator operations room above the elevator, and detected areas of radioactive contamination on the floor and walls that were above the U.S. Department of Energy (DOE) release criteria, and the site was designated for remedial action under FUSRAP.



Location of the Hamilton, Ohio, Site

From December 1994 to March 1995, Bechtel National, Inc., as the project management contractor, defined the extent of contamination and performed remedial design engineering and remedial action at the Hamilton Site. ThermoAnalytical (now Thermo NUtech) served as the radiological support subcontractor for sampling and analysis activities. Natural uranium isotopes were found to be the only significant source of contamination at the site.

Regulatory Setting

AEC, a predecessor agency to DOE, established FUSRAP in March 1974 to evaluate radioactive contamination at sites where work was performed to develop the nation's nuclear weapons and early atomic energy program. After reviewing records and radiometric surveys for more than 600 sites connected with the nuclear weapons program, DOE identified 46 sites that required cleanup, including the Hamilton Site. Congress transferred responsibility for FUSRAP site

characterization and remediation to the U.S. Army Corps of Engineers in 1997. DOE retains responsibility for long-term surveillance and maintenance of remediated FUSRAP sites.

The Hamilton Site was remediated to criteria in *Guidelines for Residual Radioactive Material at Formerly Utilized Sites Remedial Action Program and Remote Surplus Facilities Management Program Sites*. A notice of cleanup certification for the site was published in the *Federal Register* on December 3, 1996.

In fiscal year 2004, DOE transferred responsibility for the Hamilton Site from the DOE Office of Environmental Management to the DOE Office of Legacy Management.

Current Site Conditions

Post-remedial action survey data indicate that the radiological condition of the remediated building is in compliance with applicable DOE standards and guidelines for cleanup of residual radioactive contamination. Therefore, DOE released the site for unrestricted use. The site has been restored to a condition acceptable to the owner.

Legacy Management Activities

No monitoring, maintenance, or site inspections are required for the site. DOE Legacy Management responsibilities consist of managing site records and responding to stakeholder inquiries.



Hamilton, Ohio, Site, May 2006

Contacts

Documents related to the Hamilton Site are available on the DOE Legacy Management website at <http://www.LM.doe.gov/land/sites/oh/hamilton/hamilton.htm>.

For more information about DOE Legacy Management activities at the Hamilton Site, contact

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